



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.


WASHINGTON, D.C. 20460

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DATA MATRIX

Date: April 4, 2017	EPA Reg No./ File Symbol: 91127-XX	Page 1 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC					
830 Series Group A	Product Identity, Materials, Production Process, Impurities	49910501	Extremis, LLC	Own	
830.1700	Preliminary Analysis	49910502	Extremis, LLC	Own	
830.1750	Certified limits	49910501	Extremis, LLC	Own	
830.1800	Enforcement Analytical Method	49910502	Extremis, LLC	Own	
830.6302, 830.6303, 830.6304	Color, Odor, Physical State	49910503	Extremis, LLC	Own	
830.6313	Stability to normal and elevated temperatures	49910503	Extremis, LLC	Own	
830.6314	Chemical Incompatibility	49910503	Extremis, LLC	Own	
830.6315	Flammability	49910504	Extremis, LLC	Own	
830.6316	Explosibility	49910504	Extremis, LLC	Own	
830.6317	Storage stability	49910503	Extremis, LLC	Own	
830.6319	Miscibility	49910504	Extremis, LLC	Own	
830.6320	Corrosion characteristics	49910503	Extremis, LLC	Own	
830.6321	Dielectric breakdown voltage	49910504	Extremis, LLC	Own	
830.7000	pH	49910503	Extremis, LLC	Own	
830.7050	UV-Visible Absorption	49910503	Extremis, LLC	Own	
830.7100	Viscosity	49910504	Extremis, LLC	Own	
830.7200	Melting Point	49910503	Extremis, LLC	Own	
830.7220	Boiling Point	49910504	Extremis, LLC	Own	
830.7300	Density	49910503	Extremis, LLC	Own	
830.7370	Dissociation constant in water	49910503	Extremis, LLC	Own	
830.7520	Particle size, fiber diameter and particle distribution	49910504	Extremis, LLC	Own	
830.7550	Octanol Water Partition Coefficient	49910503	Extremis, LLC	Own	
830.7840	Solubility in Water and Organic Solvents	49910503	Extremis, LLC	Own	

Signature 	Name and Title James M. Wagner, Agent for Extremis, LLC	Date April 4, 2017
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DATA MATRIX

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Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

830.7950	Vapor Pressure	49910504	Extremis, LLC	Own	
835.1230	Adsorption/Desorption	00100465 00100464 00100466	Syngenta Crop Protection	Old	
835.1240	Leaching	00100464 00100465 00100466 00104493 00104495 43875309 43935302 44703505 44703538	Syngenta Crop Protection	Old	
835.1410	Volatility Laboratory	00100455	Syngenta Crop Protection	Old	
835.2130	Hydrolysis	00104493 42259803	Syngenta Crop Protection	Old	
835.2240	Aqueous Photolysis	41156001	Syngenta Crop Protection	Old	
835.2410	Soil Photolysis	00100456 43883402	Syngenta Crop Protection	Old	
835.4100	Aerobic Soil Metabolism	00104494 43935301	Syngenta Crop Protection	Old	
835.4200	Anaerobic Soil Metabolism	00104494	Syngenta Crop Protection	Old	
835.4300	Aerobic Aquatic Metabolism	42259801 42259802	Syngenta Crop Protection	Old	
835.4400	Anaerobic Aquatic Metabolism	42259801 42259802	Syngenta Crop Protection	Old	

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DATA MATRIX

Date: April 4, 2017	EPA Reg No./ File Symbol: 91127-XX	Page 3 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

835.6100	Terrestrial Field Dissipation	40985402 40985403 40985404 41765001 41765002 41809301 44703505	Syngenta Crop Protection	Old	
835.6200	Aquatic Field Dissipation	42259803 42259804	Syngenta Crop Protection	Old	
850.1010	Freshwater Invertebrate Acute Toxicity	0071305 00100448 00071304 43875305 49024004	Syngenta Crop Protection	Old	
850.1025	Oyster Acute Toxicity	41288101 42378101 43875306	Syngenta Crop Protection	Old	
850.1025	Oyster deposition	49145101	Metalaxyl task force	Pay	
850.1035	Saltwater Crustacean Toxicity - Shrimp	41288103 41288104 42337501 49024010	Syngenta Crop Protection Syngenta Crop Protection Metalaxyl task force	Old Old Old Pay	
850.1075	Freshwater Fish Acute Toxicity - Trout	00100447 00071303 00072396 49024003 49024006	Syngenta Crop Protection	Old Pay Pay	

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Date: April 4, 2017		EPA Reg No./ File Symbol: 91127-XX	Page 4 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707		Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl			

850.1075	Freshwater Fish Acute Toxicity – Fathead minnow	49024002	Metalaxyl task force	Pay	
850.1075	Freshwater Fish Acute Toxicity - Bluegill	00100446 00071302 00071301 49024001	Syngenta Crop Protection Syngenta Crop Protection Syngenta Crop Protection Metalaxyl task fore	Old Old Old Pay	
850.1075	Saltwater Fish Acute Toxicity – Sheepshead minnow	49024011	Metalaxyl task force	Pay	
850.1300	Freshwater Invertebrate Life Cycle	00071307	Syngenta Crop Protection	Old	
850.1350	Saltwater Invertebrate Life Cycle	49116001	Metalaxyl task force	Pay	
850.1400	Freshwater Fish Early Life-Stage	00071308	Syngenta Crop Protection	Old	
850.1400	Saltwater Fish Early Life-Stage			Gap	Footnote 2
850.1500	Fish Life Cycle			Gap	Footnote 2
850.1730	Fish Bioconcentration	00100468 00100470	Syngenta Crop Protection	Old	
850.2100	Avian Oral Toxicity - Mallard Duck	00077334 43875302	Syngenta Crop Protection	Old	
850.2100	Avian Oral Toxicity - Bobwhite Quail	00077334	Syngenta Crop Protection	Old	
850.2100	Avian Oral Toxicity - Passerine spp.	49311101	Metalaxyl Task Force	Pay	
850.2200	Avian Dietary Toxicity - Bobwhite Quail	00077335 00063988 43875303	Syngenta Crop Protection	Old	
850.2200	Avian Dietary Toxicity - Mallard Duck	00063989	Syngenta Crop Protection	Old	
850.2300	Avian Reproduction - Bobwhite Quail	43624602 43624603 44110001 44720901 44755001 44761701	Metalaxyl task force	Old	

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Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

		49115801		Pay	
850.2300	Avian Reproduction - Mallard Duck	44720902 44720901 49115901	Metalaxyl task force	Old Pay	
850.3020	Honey Bee Acute Contact Toxicity	40276701 43875308	Syngenta Crop Protection	Old	
Non-guideline	Honey Bee Acute Oral Toxicity			Gap	Footnote 2
Non-guideline	Honey Bee Chronic Oral Toxicity - Adults			Gap	Footnote 2
Non-guideline	Honey Bee Chronic Oral Toxicity - Larvae			Gap	Footnote 2
850.4100	Seedling Emergence and Growth	49024016	Metalaxyl task force	Pay	
850.4150	Vegetative Vigor	49024015	Metalaxyl task force	Pay	
850.4400	Aquatic Plant Toxicity Lemna spp.	00148448 43875307 49024009	Syngenta Crop Protection Metalaxyl task force	Old Old Pay	
850.4500	Algal Toxicity with Green Algae	49024005 49024012	Metalaxyl task force	Pay	
850.4500	Algal Toxicity with Freshwater diatom	49024007	Metalaxyl task force	Pay	
850.4500	Algal Toxicity with Saltwater diatom	49024008	Metalaxyl task force	Pay	
850.SUPP	Analytical Method Verification in Fresh Water	49024013	Syngenta Crop Protection	Pay	
850.SUPP	Analytical Method Verification in Avian Diet	49024014	Syngenta Crop Protection	Pay	
870.1100	Acute Oral Toxicity - rat	00063990 00063991 00154308	Syngenta Crop Protection	Old	
870.1200	Acute Dermal Toxicity - rat	00063993	Syngenta Crop Protection	Old	
870.1300	Acute Inhalation Toxicity - rat		Syngenta Crop Protection	Wai	EPA RED 1994

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DATA MATRIX

Date: April 4, 2017	EPA Reg No./ File Symbol: 91127-XX	Page 6 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

870.2400	Eye Irritation – rabbit	00084108 43800386	Syngenta Crop Protection	Old	
870.2500	Skin Irritation – rabbit	00084107 43800387	Syngenta Crop Protection	Old	
870.2600	Skin Sensitization	00084109 43800388 43800389 44185708	Syngenta Crop Protection	Old	
870.3100	Oral Subchronic – mouse	43800390 43800391 43823202 48104702		Gap	Footnote 2
870.3100	Oral Subchronic – rat	00084110 00148087	Syngenta Crop Protection	Old	
870.3150	Oral Subchronic – dog	71598 00084111 43800392	Syngenta Crop Protection	Old	
870.3200	21/28-Day Dermal – rabbit	00072394	Syngenta Crop Protection	Old	
870.3465	4 week Inhalation Toxicity	32545 00109471	Syngenta Crop Protection	Old	
870.3700a	Developmental Toxicity – rat	71564 00144422 00144423 00148867 43800393 44208401	Syngenta Crop Protection	Old	
870.3700b	Developmental Toxicity – rabbit	00144371	Syngenta Crop Protection	Old	

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DATA MATRIX

Date: April 4, 2017	EPA Reg No./ File Symbol: 91127-XX	Page 7 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

		00144372 00148866 00154938			
870.3800	Reproduction - rat	00071600 130952 141089 144372 144421 144423 161404 161405	Syngenta Crop Protection	Old	
870.3800 SUPP	Reproduction and Fertility Effects	84112	Syngenta Crop Protection	Old	
870.4100b	Chronic Toxicity - dog	30295 00071598 127878 127880 130950 130951 132009 154325	Syngenta Crop Protection	Old	
870.4200a	Carcinogenicity - rat	71565 80302 00098481 00132009 137469 137471 137472 138117	Syngenta Crop Protection	Old	

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DATA MATRIX

Date: April 4, 2017		EPA Reg No./ File Symbol: 91127-XX	Page 8 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707		Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl			

		141058 142183 144310 00150185			
870.4200b	Carcinogenicity - mouse	00103354 00150094	Syngenta Crop Protection	Old	
870.4300	Combined Chronic/Carcinogenicity -rat	00098481 00132009 00150185	Syngenta Crop Protection	Old	
870.5100	Mutagenicity Bacterial Reverse Mutation	00084113 154300 00154301 00154302 154303 154304 154305 160039 43800394 43800401	Syngenta Crop Protection	Old	
870.5300	Mutagenicity—In Vitro Mammalian Cell Gene Mutation	84114 103359 103362 00103363 00154306 154307 154309 154310 00160037	Syngenta Crop Protection	Old	

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DATA MATRIX

Date: April 4, 2017	EPA Reg No./ File Symbol: 91127-XX	Page 9 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

		00154663 43800394			
870.5375	Mutagenicity—Structural Chromosomal Aberrations	00103362 00154309 43800395 43800401 43800402 43800403 43800404	Syngenta Crop Protection	Old	
870.5395	Mammalian Micronucleus Mouse	00103360 103361 00154307	Syngenta Crop Protection	Old	
870.5450	Rodent Dominant Lethal Assay	84114 154310	Syngenta Crop Protection	Old	
870.5550	Unscheduled DNA Synthesis in Mammalian Cells in Culture	103363 154663 154306 160037	Syngenta Crop Protection	Old	
870.6200a	Acute Neurotoxicity Screening Battery			Gap	Footnote 2
870.6200b	Subchronic Neurotoxicity Screening Battery			Gap	Footnote 2
870.6300	Developmental Neurotoxicity (rat)			Gap	Footnote 2
870.7485	General Metabolism - rat	00071613 00071614 00099084 41664501 43317301	Syngenta Crop Protection	Old	
870.7485	Metabolism and Pharmacokinetics – dog			Gap	Footnote 2

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Date: April 4, 2017	EPA Reg No./ File Symbol: 91127-XX	Page 10 of 17
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Ingredient: Metalaxyl		

870.7600	Dermal Penetration	00161402 45085901 45085902	Syngenta Crop Protection	Old	
870.7800	Immunotoxicity			Gap	Footnote 2
870.SUPP	Non-guideline revers mutation test in yeast cells	103359	Syngenta Crop Protection	Old	
875.2100	Transferable Foliar Residues	46017402	Syngenta Crop Protection	Old	
860.1850	Confined Accumulation in Rotational Crops	42196501 42196502 42196503 43317302 41870308	Syngenta Crop Protection	Old	
860.1900	Field Rotational Crops	41870308	Syngenta Crop Protection	Old	
860.1300	Nature of Residue – crops	00071601, 00071602, 00071603, 00071604, 00071605, 00071606, 00071607, 00071608, 00071609, 00071610, 00114379, 00128102	Syngenta Crop Protection	Old	
860.1300 860.1300	Nature of Residue - Poultry Nature of Residue – Cow/Goat	00071611, 00071612, 41664503, 41664504,	Syngenta Crop Protection	Old	

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DATA MATRIX

Date: April 4, 2017	EPA Reg No./ File Symbol: 91127-XX	Page 11 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

		41664505, 41664506, 42115801, 42115802, 42115803, 42115804, 42115805, 42115806			
860.1340 860.1340	Analytical Method - Animal Tissues Analytical Method - Crops	00071622, 00071623, 00071676, 00104378, 00104656, 00148440, 00157480, 40071503 40071504 40162601 40503101, 40534803 41055203, 41689701, 41689702, 42115809, 42115810, 42115807, 42115808 46714704	Syngenta Crop Protection	Old	
				Pay	

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DATA MATRIX

Date: April 4, 2017	EPA Reg No./ File Symbol: 91127-XX	Page 12 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

		46714705 46714706		Pay Pay	
860.1360	Multiresidue Analytical Method	40503101 41055203	Syngenta Crop Protection	Old	
860.1380 860.1380	Storage Stability Data - crops Storage Stability Data - animal tissues and milk	00148440, 40106601, 41449001, 42021101, 42115809, 42350101, 42919401, 41912902, 46714707	Syngenta Crop Protection	Old Pay	
860.1480	Meat/Poultry/Eggs	00100753, 42115809, 00071673, 00071674 00100753, 42115809, 00071673, 00071674, 00071674, 00071673, 42115809, 41664503 41664504	Syngenta Crop Protection	Old	
860.1500	Crop Field Trials	00071615 00071672,	Syngenta Crop Protection	Old	

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DATA MATRIX

Date: April 4, 2017		EPA Reg No./ File Symbol: 91127-XX	Page 13 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707		Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl			

		00074488 00079433 00097511, 00098428 00100476 00100477 00100478 00104387 00104390 00104485, 00109402 00109472 00114377, 00114378, 00117969 00126315 00127769 00128102 00128102 00128738 00129003, 00130693 00130694 00130773 00133020 00138818 00140371 00141519			
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DATA MATRIX

Date: April 4, 2017

EPA Reg No./ File Symbol: 91127-XX

Page 14 of 17

Applicant's/Registrant's Name and Address: Extremis, LLC
c/o Wagner Regulatory Associates Inc.
P.O. Box 640
Hockessin, DE 19707

Product:
EXT Metalaxyl TGAI

Ingredient: Metalaxyl

00148103
00148103
00148440
00148440
00148440
00154446
00155237
00155845
157478
00157480
00164649
00164650
00164651
40066101
40066102
40071502
40411002
40490501
40569301
40569303
40569303
40569601
40746901
40775801
40790201
40827401
40832901
40838301

Signature

Name and Title

James M. Wagner, Agent for Extremis, LLC

Date

April 4, 2017



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.


WASHINGTON, D.C. 20460

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DATA MATRIX

Date: April 4, 2017	EPA Reg No./ File Symbol: 91127-XX	Page 15 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

		40838302 40880401 40909401 41150101 41587801, 41636201 41689701, 41689702 41870301 41870305 41870305 41870306 41912902 41912903 41996401 42021101 42196503 42498701 43896902 44208102 44208104 44208105 44208106 47803101 47803102 48137901			
				Pay Pay Pay	

Signature 	Name and Title James M. Wagner, Agent for Extremis, LLC	Date April 4, 2017
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Date: April 4, 2017	EPA Reg No./ File Symbol: 91127-XX	Page 16 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

860.1520	Processed Food/Feed	00071672 00079433 00117969 00126315 00128738 00138818 00148440 00155845 00157480 00164650 40106601 40569301 40746901 40909401 41150101 41870301 41870302 41870303 41870304 41870307 42233501 42259805 42498701 42498701	Syngenta Crop Protection	Pay	
Subpart K - Human Exposure (Series 875)	Applicator Exposure and Post application Exposure Data	43080049 CITE ALL	Syngenta Crop Protection Ag Handlers Exposure Task Force Ag Reentry Exposure Task	Old Pay Pay	

Signature 	Name and Title James M. Wagner, Agent for Extremis, LLC	Date April 4, 2017
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DATA MATRIX

Date: April 4, 2017	EPA Reg No./ File Symbol: 91127-XX	Page 17 of 17
Applicant's/Registrant's Name and Address: Extremis, LLC c/o Wagner Regulatory Associates Inc. P.O. Box 640 Hockessin, DE 19707	Product: EXT Metalaxyl TGAI	
Ingredient: Metalaxyl		

			Force		
Subpart L - Spray Drift	Spray Drift Data	CITE ALL	Spray Drift Task Force	Old	
890.1100	Amphibian Metamorphosis Assay with African Clawed Frog	48685801	Metalaxyl Task Force	Pay	
890.1150	Androgen Receptor Binding (Rat Prostate Cytosol)	48617601	Metalaxyl Task Force	Pay	
890.1200	Human Recombinant Aromatase Assay	48617602	Metalaxyl Task Force	Pay	
890.1250	Estrogen Receptor Binding	48617607	Metalaxyl Task Force	Pay	
890.1300	Estrogen Receptor Transcriptional Activation	48617603	Metalaxyl Task Force	Pay	
890.1350	Fish Short-term Reproduction	48685802	Metalaxyl Task Force	Pay	
890.1400	Hershberger Bioassay in Orchidoepididymectomized Rats	48617604	Metalaxyl Task Force	Pay	
890.1450	Female - Pubertal Development and Thyroid Function in Tact Juvenile/	48701301	Metalaxyl Task Force	Pay	
890.1500	Male - Pubertal Development and Thyroid Function in Tact Juvenile/Peri	48701301	Metalaxyl Task Force	Pay	
890.1550	H295R Steroidogenesis Assay, 9047V-100331STER	48617605	Metalaxyl Task Force	Pay	
890.1600	Uterotrophic Assay in Ovariectomized Rats	48617606	Metalaxyl Task Force	Pay	

Footnotes:

1. Data is required in GDCI 113501-869 however no data can be located in NPIRS.
2. No data can be located in NPIRS and GDCI 113501-869 does not require these studies.

Signature 	Name and Title James M. Wagner, Agent for Extremis, LLC	Date April 4, 2017
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